



Generell informasjon

Brønnbane navn	25/1-11 R
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	SKOGUL
Funn	25/1-11 R Skogul
Brønn navn	25/1-11
Seismisk lokalisering	NH9306R04 inline 1250 & xline 2593
Utvinningstillatelse	460
Boreoperatør	Det norske oljeselskap ASA
Boretillatelse	1268-L2
Boreinnretning	AKER BARENTS
Boredager	24
Borestart	04.04.2010
Boreslutt	26.04.2010
Plugget dato	26.04.2010
Frigitt dato	26.04.2012
Publiseringsdato	26.04.2012
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EOCENE
1. nivå med hydrokarboner, formasjon.	FRIGG FM
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	107.0
Totalt målt dybde (MD) [m RKB]	2338.0
Totalt vertikalt dybde (TVD) [m RKB]	2338.0
Maks inklinasjon [°]	1.4
Temperatur ved bunn av brønnbanen [°C]	73
Eldste penetrerte alder	LATE PALEOCENE



Eldste penetrerte formasjon	HEIMDAL FM
Geodetisk datum	ED50
NS grader	59° 47' 25.12" N
ØV grader	2° 13' 6.43" E
NS UTM [m]	6628472.08
ØV UTM [m]	456130.02
UTM sone	31
NPDID for brønnbanen	6368

Brønnhistorie



General

Well 25/1-11 R is a planned re-entry of well 25/1-11, which drilled a top hole and sat the 13 3/8" casing. The wells are located on the Frigg Ridge between the Heimdal- and Frigg Fields in the North Sea. The main objectives of the 25/1-11 R Storklakken well was to prove hydrocarbons in the Frigg- or Odin Formation sands, penetrate an observed amplitude anomaly and establish hydrocarbon contacts. The secondary objective was to prove oil in the Hermod-Heimdal formations interval.

Operations and results

Well 25/1-11 was re-entered on 4 April 2010 with the semi-submersible installation Aker Barents. Wildcat well 25/1-11 R was drilled from below the 13 3/8" casing shoe at 1178 m to TD at 2338 m in the Paleocene Heimdal Formation. The well was drilled with Glydril mud with 4.3 - 4.8 % glycol from 1178 m to TD.

The Frigg Formation was encountered at 2118 m. The upper part of the Frigg Formation consists of claystone with a few thin sandstone interbeds and traces of siltstone and Limestone down to 2156 m. The lower part consists of massive

sandstone interrupted by thin beds of claystone. In the thin sandstone stringers in the upper part pressure points showed a gas gradient of 0.148g/cm³. In the massive sandstone reservoir an oil gradient of 0.744g/cm³ and a water gradient of 1.030g/cm³ were defined with an intersection indicating an OWC at 2166 m. The gas gradient indicates the possibility of a GOC at 2144 m. The Hermod Formation was encountered at 2244 m and the Heimdal Formation at 2281 m. Both were water wet. No oil shows were recorded outside the Frigg Formation.

No cores were cut. The MDT tool was run for pressure points and fluid samples. MDT samples were taken in the oil zone at 2156 m and at 2165.4 m. A gas sample was taken at 2119.5 m, and verified the presence of gas at this depth. A water sample was collected at 2179 m. A further oil sample was taken with MDT dual packer at 2158 m (mobility 393.5 mD).

The well was plugged back for a geological sidetrack on 26 April 2010. It is classified as an oil discovery.

Testing

No drill stem test was performed.

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		2119.90	0.00	CONDE NSATE		YES
FMT		2158.00	0.00	OIL		YES



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
147	NORDLAND GP
397	UTSIRA FM
998	HORDALAND GP
1479	GRID FM
1486	NO FORMAL NAME
2118	FRIGG FM
2205	ROGALAND GP
2205	BALDER FM
2220	SELE FM
2244	HERMOD FM
2253	LISTA FM
2281	HEIMDAL FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI DSI	2096	2339
MDT	2116	2316
MDT DP	2158	2158
MSCT	2116	2285
MWD - GR RES	217	1178
MWD - GR RES SON	217	1178
MWD - GR RES SON	1178	2097
MWD LWD - GR RES DEN NEU SON	2097	2337
PEX HRLA HNGS CMR	2096	2339
VSP	200	2328

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
INTERM.	9 5/8	2096.0	12 1/4	2097.0	1.56	LOT
OPEN HOLE		2338.0	8 1/2	2338.0	0.00	LOT

